H.1 BMP SELECTION PROCESS FOR PROJECT CONSTRUCTION

In planning a construction project, the developer/contractor must answer three key questions with respect to storm water quality control: (1) what kind of water quality controls are needed?; (2) where should the controls be implemented?; and (3) how much control is enough? In order to answer these questions, the developer/contractor should use a documentable, defensible process to identify potential water quality problems, develop design objectives, formulate and evaluate alternatives, select the most appropriate alternatives, and design the plan.

H.2 DEVELOP GOALS AND OBJECTIVES

Site-specific conditions of development construction projects determine which BMPs are most applicable for a site. The BMP plan for a site should fulfill the following goals and objectives:

- be appropriate for the given site constraints;
- ease of implementation and maintenance;
- have a net beneficial impact on the environment;
- provide effective pollutant source control or removal capability;
- meet regulatory requirements;
- maximize, to the extent practicable, the percentage of permeable surfaces; and
- be economically feasible.

H.3 BMP SELECTION CRITERIA

In order to fulfill the above goals and objectives, BMPs should be selected by using appropriate selection criteria that serve to identify the capabilities and limitations of each BMP. The criteria to be used in screening and selecting BMPs during the planning stage are:

- site factors (e.g., slope, high water table, soils, etc.);
- pollutant avoidance (source control) or removal capability;
- cost of implementation; and
- environmental compatibility.

These criteria may be given equal weight during the BMP selection process, or they may be weighted differentially, depending on the relative importance of each factor for the particular project.

H.4 NOMINATE AND EVALUATE ALTERNATIVES

A number of applicable BMPs have been identified in Section H.10 of this document for construction projects. The BMPs were nominated from the *California Storm Water Best Management Practices Handbook* (1993). Other BMPs from other manuals and sources were also considered.

H.5 SELECT BEST ALTERNATIVES

Based on the list of recommended BMPs for construction projects provided in this program, the developer/contractor should use the selection criteria described herein to select the best alternatives for the project conditions, characteristics, and concerns. This may be done numerically, by weighting the selection criteria, rating each BMP against each criteria, and summing up a weighted rating for each BMP, which then becomes a relative ranking. Or the selection process may be done in a more subjective, non-numerical way using experience and professional judgment to select the best alternative BMPs. Either way, the developer/contractor should document the selection process and provide support for the selected system of controls.

H.6 DESIGN, IMPLEMENT, AND MAINTAIN THE BMPS

After the appropriate BMPs are selected for a given project, the developer/contractor should document those selected on the standard checklist and show the selected BMPs on the plans. It is important that the control measures be properly installed and maintained. Improper installation and maintenance are the most common reasons for storm water controls to not function as designed. Therefore, the designer must provide sufficient information in the project plans and specifications for proper BMP installation, and to provide adequate guidance on BMP proper maintenance so that the maintenance procedures may be incorporated into the local storm water pollution prevention plan (Local SWPPP), Wet Weather Erosion Control Plan (WWECP), or state Storm Water Pollution Prevention Plan (state SWPPP) in accordance with the California

General Permit for Storm Water Discharges Associated with Construction Activity (Construction General Permit).

H.7 MINIMUM REQUIREMENTS FOR CONSTRUCTION PROJECTS

All construction projects covered under the City's storm water quality management program shall be required to implement BMPs as necessary to reduce pollutants to adhere to the following minimum requirements:

Minimum Water Quality Protection Requirements for Development Construction Projects Subject to Storm Water Construction Controls		
Category	**Minimum Requirements**	**BMPs**
1. Sediment Control	Sediments generated on the project site shall be retained using adequate Treatment Control or Structural BMPs.	Sediment Control
2. Construction Materials Control	Construction-related materials, wastes, spills or residues shall be retained at the project site to avoid discharge to streets, drainage facilities, receiving waters, or adjacent properties by wind or runoff. Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained at the project sites.	Site Management; Material and Waste Management
3. Erosion Control	Erosion from slopes and channels shall be controlled by implementing an effective combination of BMPs, such as the limiting of grading scheduled during the wet season; inspecting graded areas during rain events; planting and maintenance of vegetation on slopes; and covering erosion susceptible slopes.	Erosion Control

H.8 CONSTRUCTION PROJECTS WITH ONE ACRE AND GREATER OF DISTRUBED SOIL

Prior to receiving a building or grading permit, applicants for Construction Projects one acre and greater must prepare a Local SWPPP covering construction materials and waste management control, and must certify that they will implement the Local SWPPP year-round. The Local SWPPP shall include:

- The name, location, period of construction, and a brief description of the project;
- Contact information for the owner and contractor;
- The building permit number for the project;
- The grading permit number for the project (where applicable);

- A list of major construction materials, wastes, and activities at the project site;
- A list of BMPs to be used to control pollutant discharges from major construction materials, wastes, and activities;
- A site plan (construction plans may be used) indicating the location of BMPs where appropriate;
- Non-storm water discharges, their locations, and the BMPs necessary to prevent the discharge;
- A maintenance and self-inspection schedule of the BMPs to determine the effectiveness and necessary repairs of the BMPs; and
- A developer's certification statement that all required and selected BMPs will be effectively implemented.

All applicants for Construction Projects must also prepare and implement a WWECP if the project will leave soil disturbed during the rainy season, defined as November 1 through April 15. The WWECP must be prepared, for projects that have already broken ground, not later than 30 days prior to the beginning of each rainy season (i.e., by October 1) during which soil will be disturbed, and implemented throughout the entire rainy season. For projects that will begin construction during the rainy season, the WWECP must be available 30 days before construction commences. The WWECP shall include the following information:

- the name, location, period of construction, and a brief description of the project;
- contact information for the owner and contractor;
- a site map (construction plans may be used) showing the location of erosion control and sediment control BMPs that will be implemented for the rainy season; and
- a certification statement that all selected BMPs will be effectively implemented.

A certification statement of compliance with the minimum requirements must be submitted prior to issuance of a building or grading permit. A copy of the Local SWPPP must be kept on the project site at all times after the start of construction. A copy of the WWECP must be kept on the project site at all times after 30 days prior to the start of the rainy season through the end of the rainy season.

Guidance and sample forms for preparation of Local SWPPPs and WWECPs are included in Attachment H1.

H.9 PROJECTS SUBJECT TO THE GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY

A project is subject to the Construction General Permit if it disturbs 5 acres or more of soil, or the project results in the disturbance of less than 5 acres but is part of a larger common plan of development or sale that exceeds 5 acres. Construction sites that result in soil disturbance of 5 acres or greater will require the preparation and implementation of a storm water pollution prevention plan meeting the requirements of the Construction General Permit. A storm water pollution prevention plan prepared in compliance with the Construction General Permit is referred to as a "state SWPPP." A properly prepared state SWPPP may satisfy the requirements of a Local SWPPP and WWECP required under the City's storm water quality management program.

Before issuing building or grading permits, the City will require applicants to demonstrate proof of a Waste Discharge Identification (WDID) Number for filing a Notice of Intent (NOI) with the State Water Resources Control Board (SWRCB) and a certification that a state SWPPP has been prepared for projects subject to the Construction General Permit. The City may require that the SWRCB's letter of filing confirmation be attached to the certification form prior to issuance of building or grading permits. An example certification form is included as Attachment H2.

H.10 CONSTRUCTION SITE INSPECTION

Development construction projects are routinely checked by County/City inspectors to verify that the construction work is being done in accordance with the project plans, building and grading permits, and applicable municipal codes. BMPs for construction sites are usually temporary measures that require frequent maintenance to maintain their effectiveness and may require relocation and re-installation, particularly as project grading progresses. Therefore, regular inspections are required, particularly during the rainy season. Developers and/or contractors of projects subject to the Construction General Permit are required to perform self-inspections. In addition, self-inspections will be required for all Construction Projects with one acre and greater of disturbed soil.

At a minimum, a developer/contractor self-inspection checklist, noting date, time, conditions and inspection date, must be kept on-site and made available for inspection, if requested. Self-inspections must be performed according to the following schedule:

- Before every rainfall event that is predicted to produce observable runoff and after every rainfall event that produces observable runoff, and
- At 24-hour intervals during extended rainfall events (except weekends or holidays when there is no ongoing site activity on those days).

More frequent inspections would be effective to ensure that BMPs are maintained in good condition. Suggested frequencies include monthly during the dry season and weekly during the wet season.

There are two primary purposes of the self-inspections conducted by developers and contractors:

- To ensure that BMPs are properly implemented and functioning effectively, and
- To identify maintenance (e.g., sediment removal) and repair needs.

An example form that may be used for developer/contractor self-inspection is included as Attachment H3. When requested, self-inspection forms will be made available to County/City inspectors for review.

H.11 BMPs FOR CONSIDERATION

The table on the next two pages provides guidance for selecting BMPs for different types of construction activities. The columns on the table list the types of construction activities that pose a risk of discharging pollutants to the storm water drainage system. Each "x" within a column indicates that the BMP should be considered for the associated construction activity. The numerical designation for each BMP corresponds to the BMP number used in the *California Storm Water Best Management Practices Handbook* (1993). The BMP Fact Sheets for each of these BMPs listed are provided in Attachment H4.

Table H-1. Storm Water Pollution Controls for Construction Activities

Storm Water Best Management Practices	BMP No. (1)	Categories of Activities																					
		Site Preparation/ Earthmoving		Construction of Underground Structures				Construction of Above Ground Structures				Construction of Roadways, Walkways & Parking Lots			Waterways					Planting & Landscaping			
		Clearing & Grubbing	Earthwork	Foundations	Conduits (Open Cut) Drilling		Tunnels	Wood Frame	Structural Steel	Masonry & Concrete Roofing & Coating		Concrete	Asphalt	Base & Subgrade	Channel Improvement	Water & Sediment Impoundment	Over Crossing	Under Crossing	Waterfront Construction	Irrigation Facilities	Seeding & Sodding	Mulching	Planting
General Site Management																							
Construction Practices																							
Dewatering Operations	CA01		X	X	X	X	X								X	X	X	X	X				
Paving Operations	CA02											X	X	X	X		X	X					
Structure Construction & Painting	CA03			X			X	X	X	X	X						X	X	X				
Vehicle & Equipment Management																							
Vehicle & Equipment Cleaning	CA30	X	X	X	X	X	X					X	X	X					X				
Vehicle & Equipment Fueling	CA31	X	X	X	X	X	X					X	X	X					X				
Vehicle & Equipment Maintenance	CA32	X	X	X	X	X	X					X	X	X					X				
Contractor Training																							
Employee/Subcontractor Training	CA40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Construction Materials & Waste Management (2)																							
Material Management																							
Material Delivery & Storage	CA10			X	X			X	X	X	X	X	X	X	X		X	X	X		X	X	X
Material Use	CA11			X	X			X	X	X	X	X	X	X	X		X	X	X		X	X	X
Spill Prevention & Control	CA12									X	X		X										
Waste Management																							
Solid Waste Management	CA20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hazardous Waste Management	CA21									X	X	X	X										
Contaminated Soil Management	CA22	X	X	X	X	X	X								X	X							
Concrete Waste Management	CA23			X	X		X			X		X			X		X	X		X			
Sanitary/Septic Waste Management	CA24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

(1) Numbers refer to California Best Management Practices Handbook (See Appendix H)

(2) Some practices are also covered under other regulatory programs. See BMP fact sheets in Appendix H for details.

Table H-1. Storm Water Pollution Controls for Construction Activities

Storm Water Best Management Practices	BMP No. (1)	Categories of Activities																						
		Site Preparation/ Earthmoving		Construction of Underground Structures				Construction of Above Ground Structures				Construction of Roadways, Walkways & Parking Lots			Waterways					Planting & Landscaping			
		Clearing & Grubbing	Earthwork	Foundations	Conduits (Open Cut)	Drilling	Tunnels	Wood Frame	Structural Steel	Masonry & Concrete	Roofing & Coating	Concrete	Asphalt	Base & Subgrade	Channel Improvement	Water & Sediment Impoundment	Over Crossing	Under Crossing	Waterfront Construction	Irrigation Facilities	Seeding & Sodding	Mulching	Planting
Erosion Control																								
Site Planning Considerations																								
Scheduling	ESC01	X	X		X							X	X	X	X	X	X	X	X	X	X	X	X	X
Preservation of Existing Vegetation	ESC02	X	X		X		X					X	X	X	X	X	X	X	X	X		X		
Vegetation Stabilization																								
Temporary Seeding & Planting	ESC10	X	X												X	X	X		X					
Temporary Mulching	ESC11	X	X												X	X	X		X					
Physical Stabilization																								
Geotextiles & Mats	ESC20	X	X												X	X	X	X	X					
Dust Control	ESC21	X	X		X							X	X	X	X	X	X	X	X	X	X	X	X	X
Temporary Stream Crossing	ESC22	X	X	X	X	X	X	X	X					X	X	X	X	X		X	X	X	X	X
Construction Road Stabilization	ESC23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diversion of Runoff																								
Earth Dike	ESC30	X	X		X										X	X		X	X		X	X		
Temporary Drains & Swales	ESC31	X	X		X										X	X		X	X					
Slope Drain	ESC32	X	X		X										X	X		X	X					
Velocity Reduction																								
Outlet Protection	ESC40	X	X		X										X	X			X					
Check Dams	ESC41	X	X		X										X	X			X					
Slope Roughening/Terracing	ESC42	X	X		X										X	X			X					
Sediment Control																								
Silt Fence	ESC50	X	X		X										X	X		X	X					
Straw Bale Barrier	ESC51	X	X		X										X	X		X	X					
Sand Bag Barrier	ESC52	X	X		X										X	X		X	X					
Brush or Rock Filter	ESC53	X	X		X										X	X		X	X					
Storm Drain Inlet Protection	ESC54	X	X		X										X	X		X	X					
Sediment Trap	ESC55	X	X		X										X	X		X	X					
Sediment Basin	ESC56	X	X		X										X	X		X	X					
Stabilized Construction Entrance	ESC24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

(1) Numbers refer to California Best Management Practices Handbook (See Appendix H).

(2) Some practices are also covered under other regulatory programs. See BMP fact sheets in Appendix H for details.

Attachment H1

Owner's Certification of Compliance with Minimum Requirements

Attachment A

Storm Water Pollution Control Requirements for Construction Activities
Minimum Water Quality Protection Requirements for All Development Construction Projects/Certification Statement

The following is intended as an attachment for construction and grading plans and represent the minimum standards of good housekeeping which must be implemented on all construction sites regardless of size.

- ☐ Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheetflow, swales, area drains, natural drainage courses or wind.
- ☐ Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
- ☐ Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- ☐ Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained at the project site.
- ☐ Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.
- ☐ Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
- ☐ Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
- ☐ Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
- ☐ Other_____
  _____

As the project owner or authorized agent of the owner, I have read and understand the requirements listed above, necessary to control storm water pollution from sediments, erosion, and construction materials, and I certify that I will comply with these requirements.

Print Name _____
(Owner or authorized agent of the owner)

Signature _____ Date _____
(Owner or authorized agent of the owner)

Construction Projects with one acre and greater of disturbed soil require the project owner to prepare:

- A Local SWPPP and
- A WWECP if the soil for a priority project will be disturbed during the rainy season.

The Local SWPPP must be prepared before the project owner, developer, or contractor receives a grading or building permit and must be implemented year-round throughout construction. A WWECP must be prepared prior to each rainy season, and must be implemented throughout that rainy season.

If a Local SWPPP or WWECP is required, it may be prepared by the owner, the construction contractor, or a consultant. When developing a Local SWPPP or WWECP, the preparer should assess site conditions, identify construction activities with the potential to cause storm water pollution, and then identify the BMPs that will best suit the construction activities. A well-developed plan will provide sufficient detail to properly implement and maintain the BMPs, yet be sufficiently flexible to allow for minor field modifications without making formal plan amendments.

The Local SWPPP and the WWECP must include a site map of the project (a copy of the grading or drainage plan may be used) showing:

- The project boundary and/or limits of grading. The City may elect to require site limit maps to extend 50 feet beyond property line and/or grading limits.
- The footprint of existing facilities and facilities that will be built during construction.
- Specific locations where construction materials, vehicles, and equipment will be stored, handled, used, maintained, and disposed, along with locations of structural measures that will be used to contain these materials on site.
- The existing and final grades of the site, along with any intermediate grades during construction that will significantly affect site drainage patterns.
- The location(s) where runoff from the site may enter storm drains, channels, and/or receiving waters.

The plan must provide information about the project location, owner, and contractor; and include a brief narrative description on the nature of the construction activity and special site conditions, and a list of BMPs for managing targeted construction activities. The plan must also include a

BMP checklist with a discussion of the reasons for selecting or rejecting BMPs such as shown in the attached example, and must contain a signed certification statement.

Section 1 - Project Description and Information

1. The name of the project:

2. The address or location of the project:

3. The building permit number for the project:

4. The grading permit number for the project (if applicable):

5. The owner/developer's name, address, phone number and contact person:

6. Contractor's name, address, phone number and contact person:

7. What are the major features that the project will provide? (e.g., low density residential, commercial development, etc.)

Section 1 - Project Description and Information *(continued)*

8. What are the estimated construction start and finish dates?

   Project Start Date:_____

   Project Finish Date:_____

9. What are the estimated dates during which soil will be disturbed?

   Start Grading:_____

   Finish Grading:_____

10 Are there any unique features relating to adjacent water bodies (i.e., in or around a wetland, river, stream, or estuary)?

Section 2 - Best Management Practices

Use the following tables to indicate the BMPs that will be used to control storm water pollution. Attach additional written documentation if necessary.

2.1 General Site Management

BMP Description	Will BMP Be Used? Yes	Will BMP Be Used? No	If Yes, Explain How / If No, State Reason
Site Planning Considerations			
Scheduling (ESC01)			
Preservation of Existing Vegetation (ESC02)			
Construction Practices			
Dewatering Operations (CA001)			
Paving Operations (CA002)			
Structure Construction & Painting (CA003)			
Dust Control (ESC21)			
Vehicle & Equipment Management			
Vehicle & Equipment Cleaning (CA030)			
Vehicle & Equipment Fueling (CA031)			
Vehicle & Equipment Maintenance (CA032)			
Tracking Control			
Stabilized Construction Entrance (ESC24)			
Contractor Training			
Employee/Subcontractor Training (CA040)			

2.2 Construction Materials and Waste Management

BMP Description	Will BMP Be Used? Yes	No	If Yes, Explain How / If No, State Reason
Material Management			
Material Delivery and Storage (CA010)			
Material Use (CA011)			
Spill Prevention and Control (CA012)			
Waste Management			
Solid Waste Management (CA020)			
Hazardous Waste Management (CA021)			
Contaminated Soil Management (CA022)			
Concrete Waste Management (CA023)			
Sanitary/Septic Waste Management (CA024)			

Section 3 - Site Map Checklist

____ The project boundary and/or limits of grading. *(Option: 50 feet beyond property line or grading limits)*

____ The footprint of existing facilities and facilities that will be built during construction.

____ The existing and final grades of the site, along with any intermediate grades during construction that will significantly affect site drainage patterns.

____ The location(s) where runoff from the site may enter storm drain(s), channel(s), and/or receiving water(s).

____ Specific locations where construction materials, vehicles, and equipment will be stored, handled, used, maintained, and disposed, along with locations of structural measures that will be used to contain these materials on site.

Section 4 - Certification

As the project architect/engineer of record, I have reviewed the *Best Management Practices Handbooks, California Storm Water Quality Task Force, Sacramento, CA*. I certify that appropriate BMPs will be implemented to effectively minimize the negative impacts of this project's construction activities on storm water quality. The project owner and contractor are aware that the selected BMPs must be installed, monitored, and maintained to ensure their effectiveness. The BMPs not selected for implementation are redundant or deemed not applicable to the proposed construction activities. If at any time, site conditions and/or the County/City official warrant reevaluation and revisions of the chosen BMPs, the appropriate changes will be made without unnecessary delay. I am aware that failure to properly implement and maintain, while under construction, the BMPs necessary to prevent the discharge of pollutants from this project could result in significant penalties and/or delays.

Signed: _____

Title: _____

Date: _____

As the project owner/owner's agent, I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that submitting false and/or inaccurate information, failing to update the Local SWPPP to reflect current conditions, or failing to properly and/or adequately implement the Local SWPPP may result in revocation of grading and/or other permits or other sanctions provided by law.

Signed: _____

Title: _____

Date: _____

Section 1 - Project Description and Information

1. The name of the project:

2. The address or location of the project:

3. The building permit number for the project:

4. The grading permit number for the project (if applicable):

5. The owner/developer's name, address, phone number and contact person:

6. Contractor's name, address, phone number and contact person:

7. What are the major features that the project will provide? (e.g., low density residential, commercial development, etc.)

Section 1 - Project Description and Information *(continued)*

8. What are the estimated construction start and finish dates?

   Project Start Date:_____

   Project Finish Date:_____

9. What are the estimated dates during which more than 1 acre or 50,000 ft^3 of soil will be disturbed?

   Start Grading: _____

   Finish Grading:_____

10 Are there any unique features relating to adjacent water bodies (i.e., in or around a wetland, river, stream, or estuary)?

   _____

   _____

Section 2 - Best Management Practices

Use the following checklists to indicate the BMPs that will be used to control wet weather erosion and off site sedimentation. Attach additional written documentation if necessary.

2.1 Erosion Control Practices

BMP Description	Will BMP Be Used? Yes	No	If Yes, Explain How / If No, State Reason
Site Planning Considerations			
Scheduling (ESC01)			
Preservation of Existing Vegetation (ESC02)			
Vegetative Stabilization			
Seeding & Planting (ESC10)			
Mulching (ESC11)			
Physical Stabilization			
Geotextiles & Mats(ESC20)			
Dust Control (ESC21)			
Temporary Stream Crossing (ESC22)			
Construction Road Stabilization (ESC23)			
Diversion of Runoff			
Earth Dike (ESC30)			
Temporary Drains & Swales (ESC31)			
Slope Drain (ESC32)			
Velocity Reduction			
Outlet Protection (ESC40)			
Check Dams (ESC41)			
Slope Roughening/Terracing (ESC42)			

2.2 Sediment Control Practices

BMP Description	Will BMP Be Used? Yes	No	If Yes, Explain How / If No, State Reason
Sediment Control			
Silt Fence (ESC50)			
Straw Bale Barrier (ESC51)			
Sand Bag Barrier (ESC52)			
Brush or Rock Filter (ESC53)			
Storm Drain Inlet Protection (ESC54)			
Sediment Trap (ESC55)			
Sediment Basin (ESC56)			

Section 3 - Site Map Checklist

____ The project boundary and/or limits of grading. *(Option: 50 feet beyond property line or grading limits)*

____ The footprint of existing facilities and facilities that will be built during construction.

____ The existing and final grades of the site, along with any intermediate grades during construction that will significantly affect site drainage patterns.

____ The location(s) where runoff from the site may enter storm drain(s), channel(s), and/or receiving water(s).

____ Specific locations where erosion and sediment control measures will be installed for each permanent or temporary site drainage pattern that will occur before, during and after construction.

Section 4 - Certification

As the project architect/engineer of record, I have reviewed the *Best Management Practices Handbooks, California Storm Water Quality Task Force, Sacramento, CA*. I certify that appropriate BMPs will be implemented to effectively minimize the negative impacts of this project's construction activities on storm water quality. The project owner and contractor are aware that the selected BMPs must be installed, monitored, and maintained to ensure their effectiveness. The BMPs not selected for implementation are redundant or deemed not applicable to the proposed construction activities. If at any time, site conditions and/or the County/City official warrant reevaluation and revisions of the chosen BMPs, the appropriate changes will be made without unnecessary delay. I am aware that failure to properly implement and maintain, while under construction, the BMPs necessary to prevent the discharge of pollutants from this project could result in significant penalties and/or delays.

Signed: _____

Title: _____

Date: _____

As the project owner/owner's agent, I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that submitting false and/or inaccurate information, failing to update the Local SWPPP to reflect current conditions, or failing to properly and/or adequately implement the Local SWPPP may result in revocation of grading and/or other permits or other sanctions provided by law.

Signed: _____

Title: _____

Date: _____

Attachment H2
Owner's NOI/SWPPP Certification Form

Attachment D

National Pollutant Discharge Elimination System (NPDES) is the portion of the Clean Water Act that applies to protection of receiving waters. Construction activity that will disturb a ground surface area of 5 acres or more (about 220,000 square feet or 2.02 hectares), or if the project results in the disturbance of less than 5 acres of soil but is part of a larger common plan of development or site that exceeds 5 acres, is subject to requirements of the California General Permit for Storm Water Discharges Associated with Construction Activity (Permit No. CAS004001) under the NPDES Program. A Notice of Intent (NOI) is required to be filed with the SWRCB and a Storm Water Pollution Prevention Plan (SWPPP) is required to be prepared and implemented. Proof of a Waste Discharger Identification (WDID) Number is required as proof that the NOI and SWPPP were submitted to SWRCB.

Site Address or Tract No:_____ Permit No:_____

Owner:_____ Contractor:_____

…….....……

I have read and understand the requirements indicated above.

_____ _____
Owner or Authorized Representative Date

In compliance with the above requirements, I certify that a Notice of Intent has been filed with the State Water Resources Control Board and that a Storm Water Pollution Prevention Plan has been prepared.

_____ _____
Owner or Authorized Representative Date

Attachment H3
Developer/Contractor Self-Inspection Form

CONSTRUCTION SITE INSPECTION CHECKLIST

Inspected By: _____

Project: _____

Contractor: _____

Date: _____

Check "Yes" or "No" or "N/A" if not applicable.

YES	NO	N/A		
_____	_____	_____	1.	Has there been rain at the site since the last inspection?
_____	_____	_____	2.	Are all sediment barriers (e.g., sandbags, straw bales, and silt fences) in place in accordance with the Plan and are they functioning properly?
_____	_____	_____	3.	If present, are all exposed slopes protected from erosion through the implementation of acceptable soil stabilization practices?
_____	_____	_____	4.	If present, are all sediment traps/basins installed and functioning properly?
_____	_____	_____	5.	Are all material handling and storage areas reasonably clean and free of spills, leaks, or other deleterious materials?
_____	_____	_____	6.	Are all equipment storage and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious materials?
_____	_____	_____	7.	Are all materials and equipment properly covered?
_____	_____	_____	8.	Are all external discharge points (i.e., outfalls) reasonably free of any noticeable pollutant discharges?
_____	_____	_____	9.	Are all internal discharge points (i.e., storm drain inlets) provided with inlet protection?

Check "Yes" or "No" or "N/A" if not applicable.

YES	NO	N/A		
_____	_____	_____	10	Are all external discharge points reasonably free of any significant erosion or sediment transport?
_____	_____	_____	11.	Are all BMPs identified on the Plan installed in the proper locations and according to the specifications for the Plan?
_____	_____	_____	12.	Are all structural control practices in good repair and maintained in functional order?
_____	_____	_____	13.	Are all on-site traffic routes, parking, and storage of equipment and supplies restricted to areas designated in the Plan for those uses?
_____	_____	_____	14.	Are all locations of temporary soil stockpiles or construction materials in approved areas and properly contained?
_____	_____	_____	15.	Are all seeded or landscaped areas properly maintained?
_____	_____	_____	16.	Are sediment controls in place at discharge points from the site?
_____	_____	_____	17.	Are slopes free of significant erosion?
_____	_____	_____	18	Are all points of ingress and egress from the site provided with stabilized construction entrances?
_____	_____	_____	19.	Is sediment, debris, or mud being cleaned from public roads at intersections with site access roads?
_____	_____	_____	20.	Does the Plan reflect current site conditions?

If you answered "no" to any of the above questions (except Number 1), describe any corrective action(s) that must be taken to remedy the problem and when the corrective action is to be completed:

Checklist Item	Corrective Action(s) Needed	Date to be Completed

INSPECTION LOG

The site shall be inspected before and after storm events with 0.25 inches or greater predicted or actual precipitation, and documented on the Construction Site Inspection Checklist Form. Incidents of noncompliance must be reported to the Engineer. A log of all inspections, as shown below, shall be kept current.

Date	Inspector	Type of Inspection			Observations (If post-storm inspection, note size of storm in inches)
		Routine	Pre-Storm	Post-Storm	

Attachment H4

Developer Information For Project Construction

BMP Fact Sheets - California Best Management Practice Handbooks (1993)